



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS830LEDHHOWT5022ACT120-277V_P.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Photopia 2018.0.0 see: www.ltioptics.com/ies

[ISSUE DATE]

[TEST DATE] Mon Jul 23 18:56:36 2018

[TEST] 1

[MANUFAC] BEGHELLI

[LUMCAT]

[LUMINAIRE] BS830LEDHHOWT5022ACT120-277V

[LAMP] LED 0.195W White 5630 package (65mA)

[LAMPCAT] SPMWHT541MD-3900K

IESNA:LM-63-2002

[TEST] 6,552

[TESTLAB] CSA Group

[ISSUE DATE] 7/24/2013 1:09:24 PM

[MANUFAC] Beghelli

[LAMP]

[OTHER] Luminous shape: Rectangle

[OTHER] Luminous dimensions (feet)

[OTHER] 0 - 180 Axis: 4.2

[OTHER] 90 - 270 Axis: 0.6

[OTHER] Height: 0.1

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	19135
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	155
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.14
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	1.26
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.88 ft
Luminous Width (90-270)	1.88 ft
Luminous Height	1.59 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11066	9300	11066
55	6831	5568	6831
65	3783	2986	3783
75	2204	1677	2204
85	510	370	510

CANDELA TABULATION

	<u>0</u>
0	8838.567
5	8723.804
10	8628.736
15	8446.442
20	8007.154
25	7343.478
30	6668.948
35	5997.529
40	5384.612
45	4725.233
50	3829.691
55	2830.354
60	1955.703
65	1472.302
70	1122.367
75	776.154
80	425.820
85	155.103
90	40.995
95	15.452
100	12.980
105	13.928
110	11.350
115	13.033
120	19.067
125	23.426
130	24.914
135	22.416
140	17.924
145	16.178
150	15.780
155	15.408
160	15.673
165	17.126
170	19.350
175	19.377
180	26.881

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3199.6	N.A.	16.70
0-30	6582.89	N.A.	34.40
0-40	10347.14	N.A.	54.10
0-60	16502.1	N.A.	86.20
0-80	18810.3	N.A.	98.30
0-90	19021.85	N.A.	99.40
10-90	18191.14	N.A.	95.10
20-40	7147.53	N.A.	37.40
20-50	10748.1	N.A.	56.20
40-70	7645.31	N.A.	40.00
60-80	2308.2	N.A.	12.10
70-80	817.86	N.A.	4.30
80-90	211.54	N.A.	1.10
90-110	36.99	N.A.	0.20
90-120	50.97	N.A.	0.30
90-130	71.30	N.A.	0.40
90-150	98.73	N.A.	0.50
90-180	112.74	N.A.	0.60
110-180	75.75	N.A.	0.40
0-180	19134.59	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	830.71
10-20	2368.9
20-30	3383.28
30-40	3764.25
40-50	3600.57
50-60	2554.4
60-70	1490.34
70-80	817.86
80-90	211.54
90-100	23.18
100-110	13.81
110-120	13.98
120-130	20.33
130-140	17.03
140-150	10.40
150-160	7.21
160-170	4.87
170-180	1.94

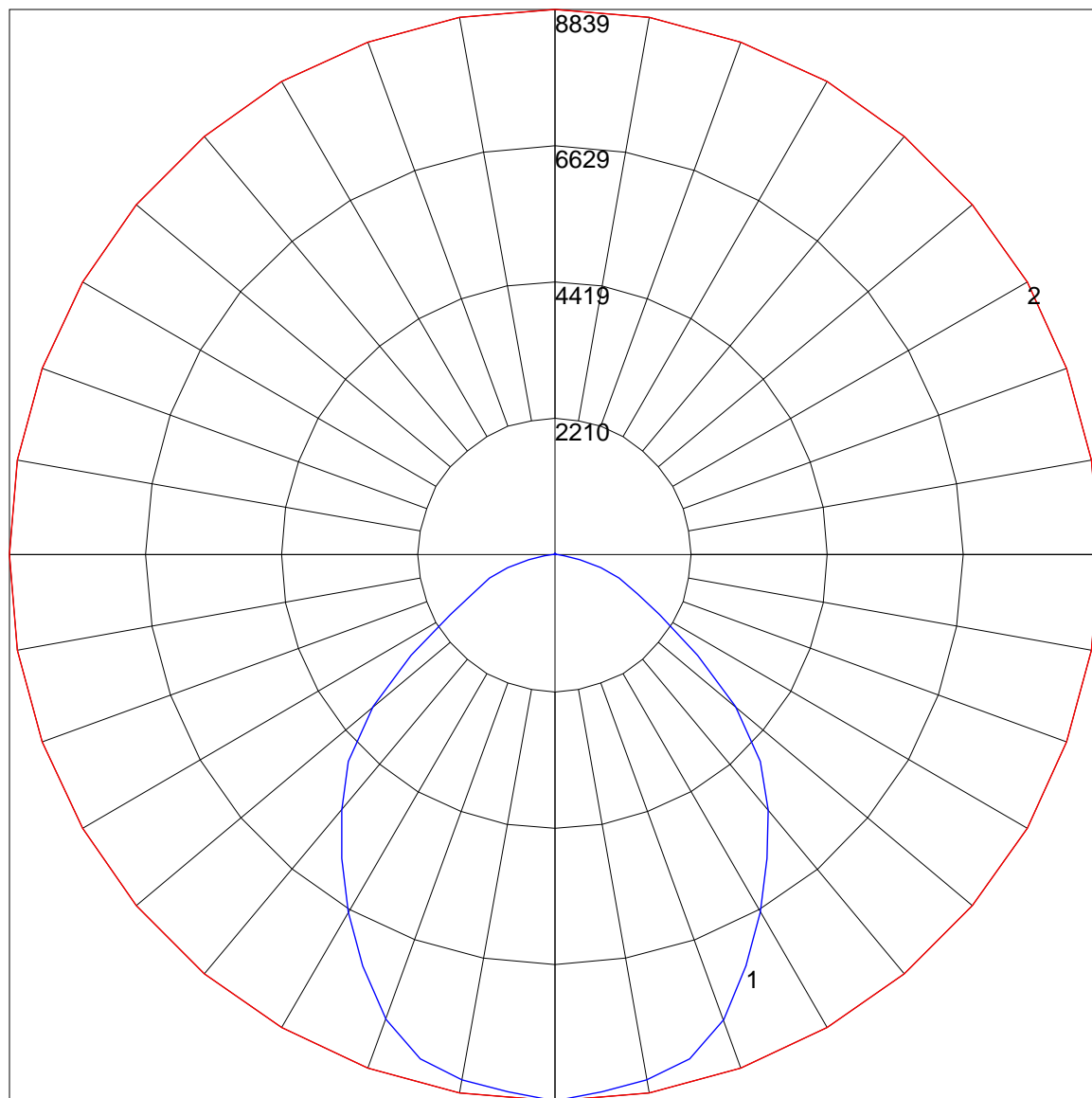
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	110	106	102	99	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	94	88	83	99	92	86	82	88	84	80	85	81	78	82	79	76	74
3	93	84	76	70	91	82	75	70	79	73	68	76	71	67	74	70	66	64
4	86	75	67	61	84	74	66	60	71	65	59	69	63	59	67	62	58	56
5	79	68	59	53	77	66	59	53	64	58	52	62	56	52	61	55	51	49
6	74	61	53	47	72	60	53	47	59	52	46	57	51	46	55	50	46	44
7	69	56	48	42	67	55	47	42	54	47	42	52	46	41	51	45	41	39
8	64	51	43	38	63	51	43	38	49	42	38	48	42	37	47	41	37	35
9	60	47	40	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	41	35	31	29

POLAR GRAPH



Maximum Candela = 8838.567 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0)